

BC

A-1

PROCESSES AND PROPERTIES INDEX

Polymerization of rubidium nitrate, and the system $RbNO_3-RbCl$. A. F. RUSSEWICKI (J. Res. Phys. Chem. Sec., 1969, 62, 2667-2670). A fourth polymorph of rubidium nitrate, transition point $280-284^\circ$, is described. The fusion diagram of the system $RbNO_3-RbCl$ indicates the formation of two double compounds with transition points at 238° and $10-4$ mol.-% $RbNO_3$ and 304° and 24 mol.-% $RbNO_3$. R. TRUSKOWSKI.

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS

COMMON VARIABLES INDEX

COMMON ELEMENTS

COMMON VARIABLES INDEX

ROSTKOVSKI, A. P.

S. MUKIMOV, Ann. Sect. Anal. Phys. Chim. 1940, 12, 19-38, 39-50, 51-56, 57-63.

30

A-1

Water of hydration of crystalline compounds.
 III. Thermodynamic analysis of the systems $\text{CoSO}_4 \cdot n\text{H}_2\text{O}$, $\text{Ni}(\text{Fe}(\text{CO})_5)_2 \cdot n\text{H}_2\text{O}$, and $\text{Fe}(\text{Fe}(\text{CO})_5)_2 \cdot n\text{H}_2\text{O}$.
 A. E. Buzikavskii. J. Russ. Phys. Chem. Soc., 1950, 24, 5541-5555. — The vapour-pressure isotherms of the above systems were determined at 25°. Cobalt sulphate forms hydrates with 1, 6, and 7 moles of water, sodium ferric sulfate combines with 2 and 5, and potassium ferric sulfate with 3 moles of water. In the first two systems there is no formation of solid solutions, but the last gives an uninterrupted series of solutions of trihydrate in anhydrous salt.

R. TCHENKOWSKI.

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNTHESE

FROM ANALYSIS

FROM PHYSICS

FROM CHEMISTRY

FROM BIOLOGY

FROM MEDICINE

FROM AGRICULTURE

FROM MINERALOGY

FROM METEOROLOGY

FROM COSMOLOGY

FROM HISTORY

FROM LITERATURE

FROM ARTS

FROM SPORTS

FROM RECREATION

FROM EDUCATION

FROM SCIENCE

FROM TECHNOLOGY

FROM INDUSTRY

FROM COMMERCE

FROM LAW

FROM POLITICAL SCIENCE

FROM SOCIAL SCIENCE

FROM PSYCHOLOGY

FROM PHILOSOPHY

FROM THEOLOGY

FROM RELIGION

FROM ETHICS

FROM AESTHETICS

FROM CRITICAL THEORY

FROM POSTMODERNISM

FROM DECONSTRUCTION

FROM FEMINISM

FROM GAY AND LESBIAN STUDIES

FROM JOURNALISM

FROM MASS MEDIA

FROM CULTURAL STUDIES

FROM ENVIRONMENTAL STUDIES

FROM HUMANITIES

FROM SOCIAL SCIENCES

FROM NATURAL SCIENCES

FROM PHYSICAL SCIENCES

FROM LIFE SCIENCES

FROM MEDICAL SCIENCES

FROM ENGINEERING

FROM TECHNOLOGICAL SCIENCES

FROM APPLIED SCIENCES

FROM INTERDISCIPLINARY STUDIES

FROM MULTIDISCIPLINARY STUDIES

FROM TRANSDISCIPLINARY STUDIES

FROM EMERGING FIELDS

FROM UNCLASSIFIED

BC

A-1

Binary system potassium nitrate-calcium nitrate. A. P. ROZKOWSKI (J. Russ. Phys. Chem. Soc., 1900, 68, 2035—2040). — The fusion diagram indicates the formation of a compound, $4\text{KNO}_3 \cdot \text{Ca}(\text{NO}_3)_2$, with a transition point at 174° and 71.3% KNO_3 . The eutectic point is at 145° and 68.8% KNO_3 . The system is characterized by the formation of vitri melts, which readily exhibit supercooling with the formation of viscous masses. The above double compound is not formed in aqueous solutions. R. TRUSEKOWSKI.

ASD-SLA METALLURGICAL LITERATURE CLASSIFICATION

FROM SOURCE RELATES ONE ONLY SEE

RELATIONS

RELATES ONE ONLY SEE

BC

PROCESSING AND PROPERTIES INDEX

Double decomposition in absence of a solvent.
 XVI. $\text{BaCl}_2 + \text{KNO}_3 \rightarrow \text{Ba(NO}_3)_2 + 2\text{KCl}$
 A. P. Bontrovskii (J. Gen. Chem.
 Russ., 1954, 4, 1915-1916). The phase diagrams
 indicate formation of KNO_3 , KCl and $\text{BaCl}_2 \cdot 2\text{KCl}$.
 R. T.

ASH 51.6 METALLURGICAL LITERATURE CLASSIFICATION

INDEX

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1. ROSTKOVSKIY, A.
2. USSR (600)
4. Irrigation
7. More about the problem of more effective exploitation of irrigation systems.
Khlopkovodstvo, No.9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																									
COMMON ELEMENTS																										SPECIAL ELEMENTS																									
Decomposition of exchange in absence of solvent. XVI. A. P. Romikovsky, <i>J. Gen. Chem. (U. S. S. R.)</i> 1010-20(1934); cf. Chernomordik, <i>C. A.</i> 29, 9877. The system $\text{Ba}(\text{NO}_3)_2 + (\text{KCl})_2 \rightleftharpoons \text{BaCl}_2 + (\text{KNO}_3)_2$ investigated in fused condition shows the typical reciprocal system and in addn. the formation of two double salts: $\text{KNO}_3 \cdot \text{KCl}$ and $\text{BaCl}_2 \cdot 2\text{KCl}$. The direction of reaction of the system at crystn. moves to the side of $(\text{KCl})_2 +$ $\text{Ba}(\text{NO}_3)_2$. The surface of crystn. consists of four fields of components and two fields of double salts. V. D. K.																										ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION																									

117 AND 118 GROUPS

PROCESSES AND PROPERTIES INDEX

2

CA

Binary system: potassium nitrate-calcium nitrate. A. P. ROSTKOVSKI. *J. Russ. Phys.-Chem. Soc.* 62, 2055-9(1930).—In the system: $\text{KNO}_3\text{-Ca}(\text{NO}_3)_2$, contrary to results of other investigators, the formation of the double salt $4\text{KNO}_3\text{Ca}(\text{NO}_3)_2$ was discovered. This salt melts with decompn. at 174° . The transition point corresponds to 71.3% KNO_3 . The eutectic point corresponds to 145° and 65.8% KNO_3 . The system is characterized by the formation of low-melting, viscous melts, easily changing on supercooling into glass-like masses stable at ordinary temp. This double salt was not discovered in earlier investigations in the diagrams of simultaneous solns. of the individual salts in aq. soln. S. L. MADORSKY

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

117 AND 118 GROUPS

117 AND 118 GROUPS

Polymorphism of rubidium nitrate and the system: rubidium nitrate-rubidium chloride. A. P. ROZENGOLTS, *J. Russ. Phys.-Chem. Soc.* **62**, 2067-70 (1930).—A polymorphic transformation for RbNO_3 was established at 200 $^{\circ}\text{C}$, this showing a transition in the interval between room temp. and 310 $^{\circ}\text{C}$; there are 4 polymorphic forms with transition points at 164 $^{\circ}\text{C}$, 222 $^{\circ}\text{C}$, and 200 $^{\circ}\text{C}$. The diagram for system $\text{RbNO}_3\text{-RbCl}$ shows the existence of 2 complexes corresponding to (1) 10:4 mol % RbNO_3 and 340 $^{\circ}\text{C}$ and (2) 24 mol % RbNO_3 and 204 $^{\circ}\text{C}$. S. I. MAJORSKY

ASB-51A METALLURGICAL LITERATURE CLASSIFICATION

2

Water of hydration in crystalline compounds. III. tensimetric analysis of systems (1) $\text{CoSO}_4 \cdot \text{H}_2\text{O}$, (2) $\text{Na}_2[\text{Fe}(\text{C}_2\text{O}_4)_2] \cdot \text{H}_2\text{O}$, (3) $\text{K}_2[\text{Fe}(\text{C}_2\text{O}_4)_2] \cdot \text{H}_2\text{O}$. A. P. ROSTKOVSKI. *J. Russ. Phys.-Chem. Soc.* 62, 2011 (1930).--The vapor-pressure isotherms at 25° were detd. for the above systems by tensimetric analysis. In (1) 3 hydrates contg. resp. $11\text{H}_2\text{O}$, $6\text{H}_2\text{O}$ and $7\text{H}_2\text{O}$ and in (2) 2 hydrates, with $2\text{H}_2\text{O}$ and $5\text{H}_2\text{O}$ resp. were found. No solid solns. were discovered in (1) and (2). $\text{K}_2[\text{Fe}(\text{C}_2\text{O}_4)_2]$ forms a hydrate that loses H_2O in a continuous curve, indicating solid solns. between hydrated and non-hydrated compds. S. L. MADORSKY

ASH-S-L-A METALLURGICAL LITERATURE CLASSIFICATION

ROSTKOVSKIY, B.; KUTUKOV, A., kand.tekhn.nauk; SLOBODKIN, V., inzh.

Causes for the breakdown of crankshafts of ZD6 engines. Rech.
transp. 20 no.12:30-31 D '61. (MIRA 14:12)

1. Glavnyy inzhener Volgo-Donskogo rechnogo parokhodstva (for
Rostkovskiy).

(Marine engines)
(Crank and crankshafts)

ROSTKOVSKIY, B.A., dotsent

New methods of evaluating the accuracy of measurements. Izv. vys.
ucheb. zav.; gor. zhur. no.12:43-52 '60. (MIRA 14:1)

1. Sredneaziatskiy politekhnicheskiy institut. Rekomendovana
kafedroy goodezii i marksheyderskogo dela Sredneaziatskogo
politekhnicheskogo instituta.

(Mine surveying)

ROSTKOVSKIY, B.A.

Estimation of accuracy in the new theory of errors of functions of directly measured values, values equalized by the method of least squares, and their functions. Trudy Sred.-Az.politekh.inst. no.12:245-257 '61. (MIRA 18:12)

ROTHSCHILD, E. A.

Mine Surveying

Question of relative weights of angles and length in their joint equilibration by the least squares method. (Trudy) VNIIM 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195²₈, Uncl.

SOV/137-57-11-20881

Translation from: Referativnyy zhurnal, Metallurgiya, 1957, Nr 11, p 34 (USSR)

AUTHOR: ~~Rostkovskiy~~, S.Ye.

TITLE: Theory and Practice of Flame Analog Simulation of Industrial Furnaces (Teoriya i praktika ognevogo modelirovaniya promyshlennyykh pechey)

PERIODICAL: Tr. Nauchn.-tekhn. o-va chernoy metallurgii, 1956, Vol 7, pp 90-110 and 111-138

ABSTRACT: The construction of flame models (M) is based on the theory of analogy. A complete mathematical description of the hydrodynamics and the processes of combustion and heat exchange proceeding in the combustion chamber results in a complex system of equations (E) including factors of secondary importance. The simplified system of E employed for analysis of the similitude of processes in furnace and M comprises the following E: For continuity; for Navier-Stokes gas motion; for describing the field of concentrations of each of the components of the gas phase; the Fourier-Kirchhoff equation describing the temperature field in the combustion space, supplemented by terms providing for heat emission due to combustion and for

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SOV/137-57-11-20881

Theory and Practice of Flame Analog Simulation of Industrial Furnaces

radiant heat exchange; and the Fourier equation describing the temperature field in the metal being heated. The boundary conditions include the air and gas velocities, the concentrations of O_2 and the gaseous components, and the air and gas temperatures at the burner mouth given as constants, E for the heat exchange at the inner wall surfaces, in which the heat transmitted by radiation, convection, and surface combustion is equated to the heat emission from the wall into the combustion chamber and to the outer atmosphere, and analogous E for the heat exchange at the surface of the metal. By reducing the system of E and the boundary conditions to dimensionless form by scale transforms we find that the temperature field is a function of more than 25 dimensionless quantities. The major practical conditions for similarity between the M and the sample (S) are geometrical similarity, equality of the theoretical temperatures of combustion, coefficients of absorption and dissipation for the M higher than the S by a factor as large as large as that by which the S is greater than the M (this is attained in practice by substituting carbon dioxide for the N in the air and the fuel), equality of the heat capacities of the metal by relative to weight; the thermal conductivity of the metal must be smaller by the same factor as that by which the M is smaller than the S (this is attained by utilization of magnesite), and the coefficients of viscosity, diffusion, and thermal conductivity must be smaller

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Theory and Practice of Flame Analog Simulation of Industrial Furnaces

by the same factor as the ratio between the M and the S (an unattainable condition). Other conditions may be calculated from the equations for the respective criteria. The error due to the unattainability of certain requirements of similarity are comparatively small. An investigation of an approximate M of a recuperative soaking pit built to 1/15 of natural size shows the temperature field in the combustion chamber and the metal essentially to correspond to that of the S. Thus, the relative temperature of a big-side-down ingot differed in the M at the close of the heating period by only 0.5% from that of the S.

B.M.

Card 3/3

ROSTKOVSKIY, S.Ye.

Stability of the conditions of gas flow in industrial furnaces.

Izv. vyv. ucheb. zav.; chern. met. 7 no.3:201-202 '64.

(MIRA 17:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii.

SAMARIN, A.M.; YEFIMOV, L.M.; VESEIKOV, N.G.; ORMAN, R.Z.; SHABANOV, A.N.;
MOROZENSKIY, L.I.; GRANAT, I.Ya.; TOCHINSKIY, A.S.; ALYAVDIN, V.A.;
DANILOV, P.M.; PETRIKEYEV, V.I.; POPOV, B.N.; BOBKOV, T.M.;
ROSTKOVSKIY, S.Ye.; GAVRISH, D.I.; D'YAKONOV, N.S.; TIMOSHPOLOSKIY,
M.N.; ROMANOV, V.D.; POCHTMAN, A.M.; MELESHKO, A.M.; PODGORETSKIY,
A.A.; OFENGENDEN, A.M.; BRONSHTEYN, V.M.; PRIDANTSEV, M.V.; LIVSHITS,
G.L.; ROZHKOVA, V.A.; RUTES, V.S.

Reports (brief annotations). Biul. TSNIICM no.18/19:15-16 '57.

(MIRA 11:4)

1. Chlen-korrespondent AN SSSR (for Samarin). 2. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Rutes, Rostkovskiy, Pridantsev, Livshits, Rozhkov). 3. Stal'proyekt (for Shabanov). 4. Kuznetskiy metallurgicheskiy kombinat (for Alvaydin, Danilov, Petrikeyev). 5. Zavod "Elektrostal'" (for Popov). 6. "Dneprospetsstal'" (for Bobkov). 7. Glavogoneupor Ministerstva chernoy metallurgii SSSR (for Gavrish). 8. Planovoye upravleniye Ministerstva chernoy metallurgii SSSR (for D'yakonov). 9. Otdel rabochikh kadrov, truda i zarplaty Ministerstva chernoy metallurgii SSSR (for Timoshpol'skiy). 10. Glavvtorchernet Ministerstva chernoy metallurgii SSSR (for Romanov). 11. Giprostal' (for Pochtman). 12. Zavod im. Voroshilova (for Meleshko). 13. Zavod "Zaporozhstal'" (for Podgoretskiy). 14. Stalinskiy metallurgicheskiy zavod (for Ofengenden). 15. Nizhne-Tagil'skiy metallurgicheskiy kombinat (for Bronshteyn).

(Steel—Metallurgy)

SOV/137-58-7-14464

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 7, p 76 (USSR)

AUTHOR: Rostkovskiy, S.Ye.

TITLE: On the Heating of the Hot Heads of Ingots. Gas Heating (Opyt raboty po obogrevu pribyl'noy chasti slitka. Gazovyy obogrev)

PERIODICAL: Tr. Nauchno-tekhn. o-va chernoy metallurgii, 1957, Vol 18, pp 112-118

ABSTRACT: A brief presentation of the results of investigations, performed by the TsNICherMet both independently and in cooperation with the "Azovstal'" and "Dneprospetsstal'" plants, on gas-oxygen heating of risers (hot heads) on ingots (I) of killed steel in order to increase the production of sound metal. The process of the formation of a shrinkage cavity is examined and the temperature of the surface of the riser extension (RE), required to melt a thin peripheral crust of metal as the level of molten metal in the RE decreases in proportion to the solidification of the I, is determined (this temperature being 1580-1650°C in the case of fireclay RE's, and 1550-1600° in the case of RE's made of materials which are poor conductors of heat). Experimental data verified the correctness of the figures

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SOV/137-58-7-14464

On the Heating of the Hot Heads of Ingots. Gas Heating

quoted above and also established that, in order to eliminate shrinkage cavities, it is sufficient that the pool of molten metal be heated during the period of most intense shrinkage, i.e., during 70% of the time required for the crystallization of the I. In order to prevent any chemical changes from occurring in the body of the I, a reduction atmosphere must be maintained in the RE (by means of burning of coke gas with a deficiency of O_2), while the pool of molten metal in the RE must be covered by a layer of neutral (white) slag. Designs of RE's with burners mounted on top or on the side are shown. In the case of a laterally mounted burner the heating of the periphery of the pool of molten metal is improved, but the durability of such RE's is reduced. In order to achieve a reduction atmosphere in the region of the RE, it is essential that only burners in which gas and O_2 have already been mixed preliminarily be employed. An installation employed at the "Dneprospetsstal" for heating of a four-ingot cluster is shown. The sequence of operations during heating, after the molds had been filled with metal, is described. In the course of heating of I's weighing 2.8 tons, a process which requires 60 minutes, the consumption of O_2 and of gas amounts to 32-35 m^3/hr and 71-78 m^3/hr , respectively; the method accomplishes a 7% saving of metal.

1. Steel--Production 2 Steel--Heating 3. Gases--Applications I.G.
Card 2/2

18.5100

78194
SOV/133-60-3-19/24

AUTHOR: Rostkovsky, S. Ye.

TITLE: Rational Number of Pits for Blooming Mills

PERIODICAL: Stal', 1960, Nr 3, pp 274-278 (USSR)

ABSTRACT: To solve the problem of rational quantity of ingot seats assuring the continuous operation of blooming mills, the author investigates the following two graphs: (1) the graph of pit operation with the minimum number of required ingot seats; (2) the graph of pit operation with the maximum number of required ingot seats. The author also establishes by means of mathematical analysis: (a) the time required to load ingots from one melt by crane; (b) the time required to heat ingots depending on the temperature of ingots being charged; (c) the time required for ingot delivery as determined by the rate of rolling; (d) max and min capacity of the pit. These calculations are only approximate since they pertain only to hot

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Rational Number of Pits for Blooming Mills

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SOV/133-60-3-19/24

changing and fail to consider standstill during repairs and delays in local transportation. The author concludes that the application of an economical system with the maximum number of ingot seats in the pits would increase their capacity; result in a substantial saving of metal, fuel, and refractory; and decrease the amount of labor spent in repairs. In the U.S. a greater number of pits are used to service, one blooming mill than in the USSR. The life of pits in the U.S. is 4-5 years against 1.5-2 years in the USSR. There are 4 figures; and 1 U.S. reference, Blast Furnace and Steel Plant, Vol 44, Nr 4, 1956.

ASSOCIATION: Central Scientific Research Institute of Ferrous Metallurgy (TsNIICHM)

Card 2/2

L 00240-66 — EWT(1)/FS(v)-3 — DD

ACCESSION NR: AP5016620

PO/0049/65/000/003/0277/0284

AUTHOR: Moskwa, W. ; Rostkowska, I. J.

TITLE: Biophysical effects of a constant magnetic field

SOURCE: Kosmos — Seria A Biologia, no. 3, 1965, 277-284

TOPIC TAGS: magnetic field, bacteria, plant growth, neoplasm, conditioned reflex, psychoneurotic disorder

ABSTRACT: The authors review the current literature dealing with the effects of natural and artificial magnetic fields on plant and animal organisms, including man. It is pointed out that the development of plants is generally retarded in a magnetic field, and that corn, radishes, wheat, and beans grow better if their roots are directed toward the South Pole. Magnetic fields have also been shown to affect snails and fruit flies, although the orientation of birds is apparently not affected. Although pigeons do not develop defensive conditioned reflexes to a magnetic stimulus, bird behavior can be modified significantly by a magnetic field. It has long been suggested that there is a correlation between mental illness and magnetic storms, so that the effect on astronauts must be considered. Magnetic fields have

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L-00240-66

ACCESSION NR: AP5016620

also been shown to retard the growth of mice, bacteria and tumor cells, and to delay wound healing. It is thus possible that magnetism may have some therapeutic applications. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: None

ENCL: 00

SUB CODE: EM, LS

NO REF SOV: 002

OTHER: 026

dg
Card 2/2

POLAND

LANKOWICZ, Włodzimierz; KRZEMIŃSKA-LANKOWICZOWA, Izabela; PANASEWICZ, Józef;
 SNIGUROWICZ, Jarosław; KRAJ, Maria; ROSTKOWSKA, Jadwiga; ZIELINSKI, Jacek and
 MAJEWSKA, Zofia; Chair of Hematology of Postgraduate Medical Courses,
 Academy of Medicine and Hematology Clinic of Institute of Hygiene (Katedra
 Hematologii Stud. Dosk. Lek. AM i Klinika Hematologii III,) Head (Kierownik)
 Prof Dr W. LANKOWICZ; and Department of Physiopathology, Institute of Hygiene
 (Zakład Fizjopatologii III) Head Docent Dr J PANASEWICZ, Warsaw.

"Comparative Studies of Human Blood Proteins and Those of Experimental Animals"

Warsaw, Medycyna Doswiadczalna i Mikrobiologia, Vol 18, No 1, 1966; pp 83-88.

Abstract [English summary modified] : When studied by the same method, rabbits' serum proteins were more similar to human ones than those of rats or guinea pigs. Total proteins, erythrocyte sedimentation rates and haptoglobin levels were all lower in the animals than in man. Table, 2 electrophoregrams; 9 Polish and 1 Western reference.

ROSTKOWSKA, Julia; MOSKWA, Wlenty; KOTLONICK, Stefan; BALONIAK,
Czesław

Comparison of the effect of dilontine and piperazine on the development of eggs of *Ascaris suum* (Goeze) in the presence of P32. Wiad. parazyt. 10 no.4:303-305. '64

1. Katedra Biologii Wojskowej i Katedra Fizyki Lekarskiej Akademii Medycznej, Lodz.

ROSTKOWSKA, Julia

An attempt to sensitize *Balantidium coli* (Malmsten) to penicillin. Wlad. parazyt. 10 no.44/65-466 '62

1. Katedra Biologii Wojskowej Akademii Medycznej, Lodz.

KADLUBOWSKI, Roscislaw; ROSTKOWSKA, Julia

Sensitivity of Balantidium coli Stein to toxic substances. Wiadomosci
parazyt., Warsz. 4 no.5-6:663; Engl. transl. 663-664 1958.

1. Z Zakladu Biologii Ak. Med. w Lodzi.

(BALANTIDIUM, effect of drugs on,

tox. substances on Balantidium coli, susceptibility (Pol))

ROSTKOWSKA, J.

Poison susceptibility of ciliates (*Paramecium caudatum* Ehrbg.;
Stylonychia mytilus Ehrbg.), adapted to the hypertonic medium.
Acta biol exper 21:5-14. '61.

1. Department of Biology, Military Academy of Medicine [Warsaw],
Department of Biology and Medical Parasitology, Academy of Medicine,
Lodz.

(CILIATA)

ROSTKOWSKI, F.

"Problem of indicators and technical and economic analysis in planning offices."

p. 13 (Budownictwo Przemyslowe) Vol. 6, no. 11, Nov. 1957
Warsaw, Poland

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

ROSTKOWSKI, H.

Spreading of the catfish (Ameiurus nebulosus) in the waters of the Lublin region.
p. 16.

Mechanization of equipment securing the access of oxygen for fish in wintertime. p. 17.
Vol 8, no. 1, Jan. 1956. GOSPODARDA RYBENIA. Warsaw, Poland.

So: Eastern European Accession. Vol 5, no. 4, April 1956

KRZYMOWSKI, Tadousz; PRZALA, Jadwiga; POLUBIEC, Andrzej; OLK, Jerzy;
ROSTKOWSKA, Jadwiga

Effect of the inhibition of the lymphatic system with adrenal
cortex hormones on erythropoietic activity in experimental
polycythemia. Acta physiol. pol. 14 no.5:461-469 S-0'63

1. Z Katedry Fizjologii Zwierząt WSR w Olsztynie (kierownik:
doc.dr. T.Krzymowski) i z Kliniki Hematologicznej Instytutu
Hematologii i Katedry Hematologii Studium Doskonalenia Lekarzy
w Warszawie (kierownik: prof.dr. W.Lawkowicz).

*

BRAGIEL, Irena; JASSER, Stefania; KOLAKOWSKA, Kazimiera; KRZEMINSKA-LAWKOWICZOWA, Irena; POLUBIEC, Andrzej; ROSTKOWSKA, Jadwiga.

Studies on the behavior of the properdin and complement levels in diseases of the hematopoietic system. Pol. arch. med. wewnet. 33 no.12:1359-1367 '63.

1. Z Kliniki Hematologicznej Instytutu Hematologii i Katedry Hematologii SDL w Warszawie (kierownik: prof.dr.med. W.Lawkowicz) i z Pracowni Wassermanowskiej Instytutu Hematologii w Warszawie.

*

KADLUBOWSKI, Roscislaw; ROSTKOWSKA, Julia

Positive and negative chemotaxis and effect of drugs on *Balantidium coli* Stein. Acta parasit Pol 9 no.10/21:109-116 '61.

1. Department of Biology, Military Academy, Lodz and Department of Biology and Medical Parasitology, Academy of Medicine, Lodz. Head: Kadlubowski, Roscislaw, doc., dr.

ROSTKOWSKI, Iulwip

The causes of blindness in Poland on the basis of eye examinations of blind subjects. *Zdrow. publiczne* 1/2:21-23
Ja-8165.

Rostkowski L.
EXCERPTA MEDICA Sec 17 Vol 5/5 Public Health May 59

1427. THE THEORY AND PRACTICE OF COMBATING TRACHOMA IN POLAND -
Teoria i praktyka zwalczania jaglicy w Polsce - Rostkowski L. - ZDROW.
PUBL. 1958, 1 (25-38) Illus. 13

The index of trachoma incidence, amounting before the war to 1-1.5%, has decreased after the war to 0.7-0.8 and to 0.2% in 1954. The new forms of campaign against trachoma are discussed: a mass action aiming at the combating of trachoma in the most affected districts, as well as the accelerated action aiming at a complete eradication of the disease. (XVII, 12)

ROSTKOWSKI, L.

"Some words about trachoma", p. 2, (ZDROWIE, Vol. 5, No. 6, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, L.C., Vol. 3, No. 4, April, 1954

ROSTKOVSKIY, S. Ye., k_{and}.tekh.nauk

Efficient number of soaking pits for blooming mill operation. Stal'
20 no.3:274-278 Mr '60. (MIRA 13:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallur-
gii.
(Furnaces, Heating) (Rolling mills)

ROSTKOVSKIY, S. Ye.

Call Nr: AF 1114656

AUTHOR: See Table of Contents.

TITLE: Thermotechnics of Ingots and Furnaces (Teplotekhnika
slitka i pechey) Collected Works (Sbornik trudov)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo
literatury po chernoy i tsvetnoy metallurgii, Moscow
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ORIG. AGENCY: Ministerstvo chernoy metallurgii SSSR. Tsentral'nyy
nauchno-issledovatel'skiy institut chernoy metallurgii.
Institut stali.

EDITORS: Ivantsov, G.P.; Editor of the Publishing House:
Gordon, L.M.; Tech.Ed.: Attopovich, M.K.

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Call Nr: AF 1114656

Thermotechnics of Ingots and Furnaces (Cont.)

PURPOSE: This collection of articles was written for research workers, metallurgical engineers, and thermotechnicians.

COVERAGE: This collection contains a number of works of the Steel Institute of the Central Scientific Research Institute of Ferrous Metallurgy on the thermotechnics of steel ingot formation and the hydraulic integrator theory as employed for calculating the crystallization processes, and on various questions connected with the theory of similitudes and its application to metallurgical furnace models. The work is a Soviet contribution. The following personality is mentioned in the foreword: Kirpichev, M.V., Academician. No facilities are mentioned.

References: See Table of Contents.

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Thermotechnics of Ingots and Furnaces (Cont.)

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Potentiometer for electrometric work. I. A. Korshunov and A. P. Rostokin. *Zhurnal Fiz. Khim.* 14, 502 (1940). The potentiometer is designed for measuring e.m.f. up to 1.0 v. The app. has two variable resistances, one of which is $\frac{1}{10}$ of the other. Rough control is accomplished by means of a voltmeter. For a current of 0.001 amp. a cell is connected through special clamps; in this case a zero galvanometer with a sensitivity of 5×10^{-8} amp. is included. B. Z. Kamich

Inst. Chemistry, Gos'kiz State U.

ASD-554 METALLURGICAL LITERATURE CLASSIFICATION

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ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION																			
1ST QUARTER										2ND QUARTER									
1ST QUARTER										2ND QUARTER									

ROSTOKIN, A. P.

USSR/Chemistry - Laboratory Equipment

Jul 50

"Torsion Ultramicrobalance," I. M. Korenman, Ya. N. Fertel'meyster, A. P. Rostokin

"Zavod Lab" Vol XVI, No 7, pp 800-806

Describes new experimental model of ultramicrobalance with quartz filament.
Minimum weight which could be determined with satisfactory accuracy was
approximately 5 μ g. At weight of about 1 μ g error in weighing amounted to 10-15%.

166T7

BATALOV, A.P.; ROSTOKIN, G.A.; KORSHUNOV, I.A.

Radical exchange in organometallic compounds. Part 7: Phenyl radical exchange between phenyllithium and bromobenzene in ethyl ether. Zhur.ob.khim. 35 no.12:2146-2150 D '65. (MIRA 19:1)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete imeni N.I.Lobachevskogo. Submitted December 25, 1964.

ACCESSION NR: AR4015646

S/0081/63/000/022/0434/0435

SOURCE: RZh. Khimiya, Abs. 22N50

AUTHOR: Korshunov, I. A.; Batalov, A. P.; Maleneva, I. G.; Rostokin, G. A.

TITLE: Direct synthesis of acrylonitrile from propylene and ammonia

CITED SOURCE: Tr. po khimii i khim. tekhnol. [Gor'kiy], no. 2, 1962, 450-453

TOPIC TAGS: nitrile, acrylonitrile, nitrile synthesis, acrylonitrile synthesis, propylene ammonia reaction

TRANSLATION: Acrylonitrile can be obtained in a one-step process from propylene and NH_3 (molecular ratio 3:1-1:1) in the presence of the catalysts: MoO_3 on Al_2O_3 , containing 16.7% MoO_3 (see RZhkhim, 1961, 17L99), or $\text{BiPO}_4 \cdot 12\text{MoO}_3 \cdot 12\text{H}_2\text{O}$ (see RZhkhim, 1961, 16L108). The reaction takes place either in a stream of air or a mixture of $\text{O}_2 + \text{N}_2$. The optimal temperature of the reaction on MoO_3 in a stream of air is 500C (volume rate = 450/hour), compared to 470C in the stream of $\text{O}_2 + \text{N}_2$ (volume rate = 540). In the stream of air the yield was higher, and the concentration of CO_2 obtained as a byproduct during the oxidation of propylene, was slightly lower (5%). The presence of water vapor and reduction of MoO_3 to

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ACCESSION NR: AR4015646

Mo₂O₃ had a positive effect on the yield of acrylonitrile. The yield of acrylonitrile on the second catalyst increased with time of contact. The yield of acrylonitrile was 5% on the basis of the amount of propylene passed through and 30-40% on the basis of the propylene reacted. L.R.

DATE ACQ: 07Jan64

SUB CODE: CH

ENCL: 00

Card 2/2

L 44389-66 EWT(1)

ACC NR: AP6020214

SOURCE CODE: UR/0056/66/050/006/1586/1591

AUTHOR: Rostokin, V. I.

ORG: none

TITLE: Theory of ^{2/}energy levels of ^{2/}atoms in plasma

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1586-1591

TOPIC TAGS: atomic theory, atomic spectrum, Coulomb field, Debye length, atomic energy, plasma

ABSTRACT: The energy spectrum of a hydrogen-like atom in a plasma has been investigated on the basis of the cut-off Coulomb potential model. The analytic solution for bound states has been examined in detail for $l=0$. Approximate expressions have been obtained for energies of the S-states which determine their dependence on the cut-off range. Critical values of the Debye length in the presence

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B

ACC NR: AP6020214

of which the corresponding S-levels disappear in the spectrum have been found. The author thanks V. A. Kolkunov for his help in this study and V. I. Kogan for his valuable advice and criticism. Orig. art. has: 2 figures and 18 formulas. [Based on author's abstract] [NT]

SUB CODE: 20/ SUBM DATE: 04Jan66/ ORIG REF: 008/ OTH REF: 004/

Card 2/2 *eaf*

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S/072/60/000/07/06/020
B015/B008

AUTHORS: Kitaygorodskiy, I. I., Professor, Doctor of Technical
Sciences, Rostokinskiy, V. V.

TITLE: Manufacture of Glass Foils ⁶

PERIODICAL: Steklo i keramika, 1960, No. 7, pp. 21 - 24

TEXT: The dependence of the bending strength of glass foil on its thickness is shown in Fig. 1 according to data by the Institut stekla (Glass Institute). The Soviet scientists A. F. Ioffe, P. P. Kobeko, I. V. Kurchatov, and A. P. Aleksandrov investigated the electric strength of thin glass foils in the years 1932-1933. Investigations in the field of glass foils have greatly advanced in the USSR during the last years, as may be seen from I. I. Kitaygorodskiy's and V. A. Blinov's papers (Ref. 1). An installation for the continuous drawing of glass foils was erected at the kafedra tekhnologii stekla i stekloplastikov (Chair of Glass Technology and Glass Plastics) of the MKhTI imeni D. I. Mendeleyeva (Moskovskiy khimikotekhnologicheskii institut imeni D. I. Mendeleyeva - Moscow Institute of Chemical Technology imeni D. I. Mendeleyev). The

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